EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"7042491".pn. and multipl$5	US-PGPUB; USPAT	AND	ON	2009/08/05 09:54
L2	1	"7042491".pn. and add$4	US-PGPUB; USPAT	AND	ON	2009/08/05 09:55
L3	1	"7164506".pn. and color	US-PGPUB; USPAT	AND	ON	2009/08/05 10:15
L4	1	"7042491".pn. and lens	US-PGPUB; USPAT	AND	ON	2009/08/05 11:09
L5	0	"7164506".pn. and lens	US-PGPUB; USPAT	AND	ON	2009/08/05 11:10
S1	1	("20040090538").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/24 13:06
S2	6	("20020039489"|"6002145"|"6075905"|"6771814"|"6791615"|"7072509").PN.	US-PGPUB; USPAT	AND	ON	2008/04/24 13:10
S3	160	(348/315).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/04/24 15:54
S4	129	S3 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2008/04/24 15:54
S5	3	S4 and (single adj channel)	US-PGPUB; USPAT	AND	ON	2008/04/24 15:55
S6	4	S4 and (("same" or single) adj channel)	US-PGPUB; USPAT	AND	ON	2008/04/24 15:55
S7	0	"7262799".pn. and gain	US-PGPUB; USPAT	AND	ON	2008/04/24 16:08
S8	8	("1037458").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 16:14
S9	1382	(348/262,263,264,267,266,267,268,272,273,275).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 16:51
S10	67	S9 and (("same" or single or one) adj channel)	US-PGPUB; USPAT	AND	ON	2008/04/24 16:51
S11	50	S10 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2008/04/24 16:52

S12	28	("20030133019" | "4484349" | "4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5153421" | "5159455" | "5210614" | "5220626" | "5297222" | "5379067" | "5432551" | "5523788" | "5572037" | "5598261" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "5953462" | "6002492" | "6212303" | "6396960" | "6744931").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/04/24 17:07
S13	0	("7015966").URPN.	USPAT	AND	ON	2008/04/24 17:16
S14	8	(masaki same higurashi).in.	USPAT	AND	ON	2008/04/24 17:20
S15	45	(yasuhiro same komiya).in.	USPAT	AND	ON	2008/04/24 17:26
S16	39	S15 not S14	USPAT	AND	ON	2008/04/24 17:26
S17	32	S16 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2008/04/24 17:26
S18	40	(348/267).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:21
S19	114	(348/266).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:25
S20	90	S19 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2008/04/25 10:26
S21	4	segmented adj image adj sensor	US-PGPUB; USPAT	AND	ON	2008/04/25 10:41
S22	141	segmented adj sensor	US-PGPUB; USPAT	AND	ON	2008/04/25 10:51
S23	114868	("348").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:51
S24	41487	("396").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:52
S25	101936	("250").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:52
S26	267708	("257").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:52
S27	19	S22 and (S23 or S24 or S25 or S26)	US-PGPUB; USPAT	AND	ON	2008/04/25 10:52
S28	1	("5302997").PN.	US-PGPUB; USPAT	OR	OFF	2008/04/25 10:53
S29	21	("4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5159455" | "5210614" | "5379067" | "5432551" | "5477264" | "5572037" | "5598261" | "5606707" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "6337713" | "6571022").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2008/04/25 11:25

EAST Search History (Prior Art)

S30	8	("1037458").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/25 16:47
S31	1	("20020071046").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/20 09:52
S32	1	("2002/0071046").URPN.	USPAT	AND	ON	2009/04/20 09:53
S33	5	("5291294"|"5742659"|"5969759"|"6822213"|"6831688").PN.	USPAT	AND	ON	2009/04/20 09:54
S34	2	("20020118291"|"4559550"|"4837630").PN.	USPAT	AND	ON	2009/04/20 09:58
S35	1	("5291294").PN.	USPAT	AND	ON	2009/04/20 09:58
S36	42	(348/267).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 10:02
S37	33	(US-20020039489-$ or US-20020180877-$ or US-20020113889-$ or US-20020085103-$ or US-20030133019-$ or US-20050008356-$ or US-20020071046-$).did. or (US-7072509-$ or US-6687026-$ or US-7015966-$ or US-7009646-$ or US-6333760-$ or US-7161627-$ or US-6809765-$ or US-6507011-$ or US-6744931-$ or US-6212303-$ or US-5572037-$ or US-5047858-$ or US-6211911-$ or US-6205259-$ or US-7071978-$ or US-6731338-$ or US-5789737-$ or US-5204620-$ or US-6571022-$ or US-6337713-$ or US-5896172-$ or US-5834782-$ or US-5805216-$ or US-5742659-$ or US-6940556-$).did. or (EP-1037458-$).did.	US-PGPUB; USPAT; EPO	AND	ON	2009/04/20 10:07
S38	28	("20030133019" | "4484349" | "4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5153421" | "5159455" | "5210614" | "5220626" | "5297222" | "5379067" | "5432551" | "5523788" | "5572037" | "5598261" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "5953462" | "6002492" | "6212303" | "6396960" | "6744931").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/20 10:10
S39	0	("7015966").URPN.	USPAT	AND	ON	2009/04/20 10:17
S40	14	("20020000549" | "5321303" | "5398275" | "5510623" | "5629524" | "5834782" | "5883830" | "5886353" | "5937027" | "5990503" | "6115066" | "6276605" | "6307393" | "6456324").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/20 10:19
S41	0	("7009646").URPN.	USPAT	AND	ON	2009/04/20 10:20
S42	25	("6205259").URPN.	USPAT	AND	ON	2009/04/20 10:29

EAST Search History (Prior Art)

S43	357	(348/218.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 10:34
S44	189	S43 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 10:34
S45	1	("7123298").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/20 11:48
S46	13	("20020163095" | "3971065" | "4323925" | "4506294" | "4870483" | "5353056" | "5453840" | "5475508" | "6069743" | "6226084" | "6611289" | "6766954" | "6833873").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/20 11:48
S47	181	(348/262).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 11:55
S48	103	S47 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 11:55
S49	97	S48 not (S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 11:55
S50	110	(348/263).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 12:11
S51	95	S50 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 12:11
S52	92	S51 not (S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 12:12
S53	86	(348/264).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 12:31
S54	73	S53 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 12:31
S55	61	S54 not (S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 12:31
S56	118	(348/266).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 12:41
S57	90	S56 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 12:41
S58	85	S57 not (S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 12:41
S59	32	(348/268).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 12:49
S60	19	S59 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 12:49
S61	15	S60 not (S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 12:49
S62	110	(348/275).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 12:55
S63	79	S62 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 12:55

S64	75	S63 not (S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 12:55
S65	428	(348/272).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 13:22
S66	189	S65 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 13:22
S67	157	S66 not (S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 13:22
S68	473	(348/273).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 13:43
S69	329	S68 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 13:43
S70	259	S69 not (S66 or S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 13:44
S71	475	((single or one) near2 (substrate or surface)) with ((plurality or multiple or (more adj than adj one)) with ((image adj sensor) or (image adj pickup) or ccd or imager))	US-PGPUB; USPAT	AND	ON	2009/04/20 14:25
S72	215	S71 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 14:26
S73	208	S72 not (S69 or S66 or S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 14:26
S74	152	(348/255).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 16:27
S75	294	(348/255,265).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 16:27
S76	211	S75 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 16:27
S77	170	S76 not (S72 or S69 or S66 or S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 16:27
S78	60	(348/282).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 16:42
S79	46	S78 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 16:42
S80	36	S79 not (S76 or S72 or S69 or S66 or S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 16:42
S81	617	(348/311).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 16:50
S82	176	(348/315).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/20 16:50
S83	130	S82 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/20 16:51
S84	102	S83 not (S79 or S76 or S72 or S69 or S66 or S63 or S60 or S57 or S54 or S51 or S48 or S36 or S43)	US-PGPUB; USPAT	AND	ON	2009/04/20 16:51

EAST Search History (Prior Art)

S85	28	("20030133019" | "4484349" | "4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5153421" | "5159455" | "5210614" | "5220626" | "5297222" | "5379067" | "5432551" | "5523788" | "5572037" | "5598261" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "5953462" | "6002492" | "6212303" | "6396960" | "6744931").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/20 16:55
S86	0	("7015966").URPN.	USPAT	AND	ON	2009/04/20 16:57
S87	1	("7295238").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 10:16
S88	1	("20020025164").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 10:17
S89	3	("2002253305").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 10:30
S90	2	("2000253305").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 10:30
S91	1	(divisional adj exposure adj operations)	US-PGPUB; USPAT	AND	ON	2009/04/21 10:30
S92	31	(terutake same kadohara).in.	US-PGPUB; USPAT	AND	ON	2009/04/21 10:31
S93	53830	canon.as.	US-PGPUB; USPAT	AND	ON	2009/04/21 10:32
S94	902	(three near5 regions) same2 ccd	US-PGPUB; USPAT	AND	ON	2009/04/21 10:34
S95	35	S93 and S94	US-PGPUB; USPAT	AND	ON	2009/04/21 10:34
S96	73	ccd with (three near3 regions)	US-PGPUB; USPAT	AND	ON	2009/04/21 10:39
S97	41	S96 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 10:39
S98	52	(image adj sensor) with (three near3 regions)	US-PGPUB; USPAT	AND	ON	2009/04/21 10:47
S99	23	S98 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 10:47

S100	348	(three near3 ((image adj sensor) or ccd)) with (("same" or single or one) near3 substrate or chip)	US-PGPUB; USPAT	AND	ON	2009/04/21 10:54
S101	201	S100 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 10:55
S102	10	pulnix.as.	US-PGPUB; USPAT	AND	ON	2009/04/21 11:05
S103	3	("7213126").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/04/21 11:25
S104	0	"4873569".pn. and shift	US-PGPUB; USPAT	AND	ON	2009/04/21 11:46
S105	8	("4873569").URPN.	USPAT	AND	ON	2009/04/21 11:46
S106	8	("3922069" | "4005285" | "4262305" | "4425577" | "4507679" | "4641920" | "4642679" | "4644390").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 11:47
S107	1	("20020071046").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 12:19
S108	1	("2002/0071046").URPN.	USPAT	AND	ON	2009/04/21 12:20
S109	1	("7289150").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 12:21
S110	8	("20020118291" | "4559550" | "4837630" | "5291294" | "5742659" | "5969759" | "6822213" | "6831688").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:21
S111	16	("5969759").URPN.	USPAT	AND	ON	2009/04/21 12:23
S112	13	("4216503" | "4525741" | "5070414" | "5153929" | "5260794" | "5737015" | "5940125" | "5969759" | "6084634" | "6337713" | "6700609" | "6721009" | "6791615").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:25
S113	4	("7050098").URPN.	USPAT	AND	ON	2009/04/21 12:27
S114	14	("20010021008" | "20020003973" | "20030020819" | "5396286" | "5497192" | "5764871" | "5838837" | "5883663" | "6288756" | "6337951" | "6397334" | "6407747" | "7050098" | "7106370").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:28
S115	8	("20010022858" | "5515102" | "5737015" | "6072603" | "6101287" | "6337713" | "6608648" | "6791608").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:28

S11 6	16	("20020140830" | "20050007475" | "20060197853" | "20070098300" | "5386228" | "5737015" | "6211911" | "6337713" | "6433822" | "6731338" | "6768102" | "6791615" | "6804406" | "7019775" | "7050098" | "7215364").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:31
S11 7	4	("5737015" | "6552744" | "6791615" | "7050098").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:34
S11 8	7	("4575763" | "4647977" | "4835616" | "5491512" | "5742081" | "5748232" | "5969759").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:35
S11 9	1	("20020067416").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 12:47
S12 0	7	("4323925" | "5436662" | "5694165" | "5742659" | "5896172" | "5969759" | "6337713").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 12:51
S12 1	220	((yusuke same shirakawa) or (shinichi same hagiwara)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 12:56
S12 2	161	S121 and (@ad<"20020913" or @pd<"20020913")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 12:57
S12 3	6417	(one or single) near2 ((horizontal adj shift adj register) or channel) with image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 13:16
S12 4	7404	(one or single or "same") near2 ((horizontal adj shift adj register) or channel) with image	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 13:16
S12 5	112	(one or single or "same") near2 ((horizontal adj shift adj register) or channel) with image with (readout or (read adj out))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 13:17

S12 6	79	S125 and (@ad< "20020913" or @pd< "20020913")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2009/04/21 13:17
S12 7	21	("4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5159455" | "5210614" | "5379067" | "5432551" | "5477264" | "5572037" | "5598261" | "5606707" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "6337713" | "6571022").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 13:32
S12 8	9	("4692812" | "4797942" | "4980771" | "5285286" | "5396091" | "5606427" | "5727116" | "5896172" | "5969759").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/04/21 13:36
S12 9	267	(348/322,320).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:49
S13 0	42	(348/267).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 1	357	(348/218.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 2	181	(348/262).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 3	103	S132 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S13 4	110	(348/263).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 5	95	S134 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S13 6	86	(348/264).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 7	73	S136 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S13 8	118	(348/266).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S13 9	90	S138 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S14 0	32	(348/268).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S14 1	19	S140 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S14 2	110	(348/275).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S14 3	79	S142 and @ad< "20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50

S144	428	(348/272).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S145	189	S144 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S146	473	(348/273).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S147	329	S146 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S148	476	((single or one) near2 (substrate or surface)) with ((plurality or multiple or (more adj than adj one)) with ((image adj sensor) or (image adj pickup) or ccd or imager))	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S149	215	S148 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S150	295	(348/255,265).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S151	211	S150 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S152	60	(348/282).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/04/21 13:50
S153	46	S152 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S154	247	S129 not (S153 or S151 or S149 or S147 or S145 or S143 or S141 or S139 or S137 or S135 or S133 or S130 or S131)	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S155	214	S154 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/04/21 13:50
S156	8	combiner adj card	US-PGPUB; USPAT	AND	ON	2009/04/21 15:24
S157	24	(combiner or repetition) adj card	US-PGPUB; USPAT	AND	ON	2009/04/21 15:24
S158	5	((combiner or repetition) adj card).clm.	US-PGPUB; USPAT	AND	ON	2009/04/21 15:24
S159	1	("7324142").PN.	US-PGPUB; USPAT	OR	OFF	2009/04/21 15:26
S160	4471	(250/208.1).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/03 16:03
S161	1250	S160 and exposure	US-PGPUB; USPAT	AND	ON	2009/08/03 16:03
S162	46	S160 and (manufactur$4 with exposure)	US-PGPUB; USPAT	AND	ON	2009/08/03 16:03
S163	18	S162 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/08/03 16:05
S164	44	S160 and (plurality near4 exposure)	US-PGPUB; USPAT	AND	ON	2009/08/03 16:09

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S16 5	28	S164 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/08/03 16:10
S16 6	473	(359/238).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/04 12:44
S16 7	28	S166 and wavefront	US-PGPUB; USPAT	AND	ON	2009/08/04 12:44
S16 8	49	giglio.xa.	US-PGPUB; USPAT	AND	ON	2009/08/04 12:48
S16 9	27	segmented near ccd	US-PGPUB; USPAT	AND	ON	2009/08/04 15:10
S17 0	28	("20030133019" | "4484349" | "4598321" | "4665440" | "4692812" | "4797942" | "4821103" | "5047858" | "5153421" | "5159455" | "5210614" | "5220626" | "5297222" | "5379067" | "5432551" | "5523788" | "5572037" | "5598261" | "5634067" | "5764288" | "5805216" | "5834782" | "5896172" | "5953462" | "6002492" | "6212303" | "6396960" | "6744931").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 15:11
S17 1	0	("7015966").URPN.	USPAT	AND	ON	2009/08/04 15:19
S17 2	261	(438/80).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/08/04 16:29
S17 3	205	S172 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/08/04 16:29
S17 4	1	"6352875".pn. and output	US-PGPUB; USPAT	AND	ON	2009/08/04 16:42
S17 5	7	("4537827" | "4957882" | "4999077" | "4999484" | "5068713" | "5121225" | "5856699").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 16:44
S17 6	0	"4999484".pn. and output	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 16:46
S17 7	22	("4999484").URPN.	USPAT	AND	ON	2009/08/04 16:46
S17 8	3	("4418284" | "4467342" | "4523102").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 16:50
S17 9	74	("4467342").URPN.	USPAT	AND	ON	2009/08/04 16:51
S18 0	1	"5834782".pn. and output	USPAT	AND	ON	2009/08/04 16:56
S18 1	1	"5105087".pn. and output	USPAT	AND	ON	2009/08/04 16:59
S18 2	29	("4999077").URPN.	USPAT	AND	ON	2009/08/04 17:04

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S18 3	0	"7164506".pn. and correct$4	USPAT	AND	ON	2009/08/04 17:16
S18 4	0	"7164506".pn. and correct$6	USPAT	AND	ON	2009/08/04 17:17
S18 5	0	"7164506".pn. and dimension$4	USPAT	AND	ON	2009/08/04 17:18
S18 6	10	("4567529" | "4691114" | "4737854" | "4940325" | "4999077" | "5160945" | "5528272" | "6014160" | "6133952" | "7042491").PN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 17:20
S18 7	1	("7042491" or "7164506").pn. and color	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 17:33
S18 8	473	(sensitivity near3 correct$4) with color	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 17:51
S18 9	48	(sensitivity near3 correct$4) with color with different	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/04 17:52
S19 0	26	S189 and @ad<"20020919"	US-PGPUB; USPAT	AND	ON	2009/08/04 17:52